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PATENTS
Attorney Docket No. KONG-28

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Examiner : To be Assigned
Group Art Unit : 1651
Applicant : Ling Yuk Cheung
Application No. : 10/717,008 Confirmation No.: 6735
Filed : November 18, 2003
For : METHODS AND COMPOSITIONS FOR TREATING
LIVER CIRRHOSIS

New York, New York 10020
April 20, 2004

Hon. Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97, applicant, through his/her attorneys or agents, makes of record the documents listed below.

U.S. Patent Documents

4,081,367	Hulls et al.	03/28/78
4,183,807	Yoshizawa et al.	01/15/80
4,211,645	Zajic et al.	07/08/80
4,559,305	Zajic et al.	12/17/85
4,816,158	Shimura et al.	03/28/89
5,075,008	Chigusa et al.	12/24/91
5,106,594	Held et al.	04/21/92
5,416,010	Langenberg et al.	05/16/95
5,476,787	Yokoyama et al.	12/19/95
5,567,314	Chigusa et al.	10/22/96
5,578,486	Zhang	11/26/96
5,707,524	Potter	01/13/98
5,879,928	Dale et al.	03/09/99
6,036,854	Potter	03/14/00
6,391,617	Cheung	05/21/02
6,391,618	Cheung	05/21/02
6,391,619	Cheung	05/21/02
6,436,695	Cheung	08/20/02
6,440,713	Cheung	08/27/02
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WO 02/62982	PCT	08/15/02
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WO 02/62984	PCT	08/15/02
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Grundler W. et al., "Resonant-like dependence at yeast growth rate on microwave frequencies," The British Journal of Cancer, Supplement, England Mar 1982, 45:206-208 (1982).

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Pichko, V. B. et al., "Electromagnetic stimulation of productivity of microorganisms and its mechanisms", Prikladnaya Biokhimiya I Mikrobiologiya, 32(4): 468-472 (1996).

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Romano-Spica, V. et al., "Ets1 Oncogene Induction by ELF-Modulated 50 MHz Radiofrequency Electromagnetic Field", Bioelectromagnetics, 21, pp. 8-18 (2000).

Surawicz Christina M. et al., "The search for a better treatment for recurrent Clostridium difficile disease: Use of high-dose vancomycin combined with Saccharomyces boulardii," Clinical Infectious Diseases, 31:1012-1017 (2000).

Trosko, J.E., "Human Health Consequences of Environmentally-Modulated Gene Expression: Potential Roles of ELF-EMF Induced Epigenetic Versus Mutagenic Mechanisms of Disease", Bioelectromagnetics, 21, pp. 402-406 (2000).

Van den Bogaerde J. et al., "Immune sensitization to food, yeast and bacteria in Crohn's disease," Alimentary Pharmacology & Therapeutics, 15:1647-1653 (2001).

Van Rensburg, P. et al., "Engineering yeast for efficient cellulose degradation", Yeast, 14(1): 67-76 (1998).

Ventura, C. et al., "Elf-pulsed Magnetic Fields Modulate Opioid Peptide Gene Expression in Myocardial Cells", Cardiovascular Research, 45, pp. 1054-1064 (2000).

Woodward, A.M. et al., "Genetic Programming as an Analytical Tool for Non-linear Dielectric Spectroscopy", Bioelectrochemistry and Bioenergetics, 48, pp. 389-396 (1999).

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Yonetani, T. et al., "Electromagnetic Properties of Hemoproteins", The Journal of Biological Chemistry, 247, pp. 2447-2455 (1972).

Zhang, L. et al., "Electrostimulation of the Dehydrogenase System of Yeast by Alternating Currents", Bioelectrochemistry and Bioenergetics, 28, pp. 341-353 (1992).

"Saccharomyces cerevisiae Meyen ex Hansen", China Catalogue of Cultures/China Committee of Culture Collection for Microorganisms (CCCCM), "www.im.ac.cn/database/YEAST/y122.htm", April 24, 1996, retrieved on November 27, 2002.

Concise Explanation of Non-English Publication

Pursuant to 37 C.F.R. § 1.98(a)(3)(i), applicant submits the following concise explanation of the relevance of Chinese Patent Application CN 1110317A. This reference relates to a method of isolating microbes of interest from a natural source. In this method, the source material is mixed with sterile water or a culture medium and then extracted to obtain a solution containing microbes from the natural source. The solution is then placed in a horizontal, non-metallic cylindrical container and exposed to an electric field with specific frequency and field strength. The

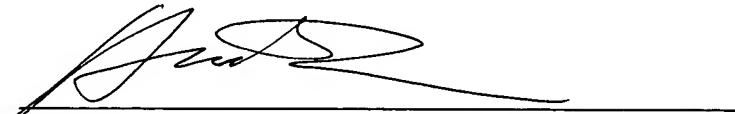
microbe of interest can then be collected from an opening in the middle of the cylindrical container.

This reference is relevant only because it describes the use of electric fields in a microbiological method. This reference, however, does not teach or suggest the claimed invention.

Applicant respectfully requests that the documents listed above be (1) fully considered by the Examiner during the course of examination of this application and (2) printed on any patent issuing from this application. Applicant also requests that the Examiner forward the enclosed duplicate copy of Form PTO-1449, duly acknowledged and initialed by the Examiner, to the undersigned with the next Communication.

This Statement is submitted before the mailing of a first Office action on the merits. In accordance with 37 C.F.R. § 1.97(b) (3), submission of this Statement requires no fee.

Respectfully submitted,



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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. KONG-28	APPLN. NO. 10/717,008
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Ling Yuk Cheung	CONFIRMATION NO. : 6735
		FILING DATE November 18, 2003	GROUP 1651

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U.S. PATENT DOCUMENTS

EXAMINEE R INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,081,367	03/28/78	Hulls et al.	210	610	
	4,183,807	01/15/80	Yoshizawa et al.	210	611	
	4,211,645	07/08/80	Zajic et al.	210	611	
	4,559,305	12/17/85	Zajic et al.	435	243	
	4,816,158	03/28/89	Shimura et al.	210	610	
	5,075,008	12/24/91	Chigusa et al.	210	610	
	5,106,594	04/21/92	Held et al.	422	292	
	5,416,010	05/16/95	Langenberg et al.	435	468	
	5,476,787	12/19/95	Yokoyama et al.	435	262.5	
	5,567,314	10/22/96	Chigusa et al.	210	150	
	5,578,486	11/26/96	Zhang	435	243	
	5,707,524	01/13/98	Potter	210	606	
	5,879,928	03/09/99	Dale et al.	435	264	
	6,036,854	03/14/00	Potter	210	177	
	6,391,617	05/21/02	Cheung	435	254	
	6,391,618	05/21/02	Cheung	435	255	
	6,391,619	05/21/02	Cheung	435	255	
	6,436,695	08/20/02	Cheung	435	254	
	6,440,713	08/27/02	Cheung	435	173	
	6,649,383	11/18/03	Cheung	435	173.1	
	6,660,508	12/09/03	Cheung	435	173.1	
	20020123127 A1	09/05/02	Cheung	435	254	
	20020123129 A1	09/05/02	Cheung	435	254	
	20020123130 A1	09/05/02	Cheung	435	262	
	20040001815 A1	01/01/04	Cheung	424	93.51	
	20040001857 A1	01/01/04	Cheung	424	195.16	

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	20040001857 A1	01/01/04	Cheung	424	195.16	
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	YES	NO
						✓		
✓	FR 2222433	10/18/74	France			(Abstract Only)		
	Abstract of SU 415983A	11/15/74	Russia			✓		
✓	EP 0041373	12/09/81	EPO					
	Abstract of SU 1071637	020/7/84	Russia			✓		
	Abstract of JP 60028893	02/14/85	Japan			✓		
✓	WO 87/02705	05/07/87	PCT					
✓	WO 95/04814	02/16/95	PCT					
✓	CN 1110317A	10/18/95	China					

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<input checked="" type="checkbox"/>	WO 99/60142	11/25/99	PCT				
<input checked="" type="checkbox"/>	WO 02/20431	03/14/02	PCT				
<input checked="" type="checkbox"/>	WO 02/62981	08/15/02	PCT			✓ (Abstract only)	
<input checked="" type="checkbox"/>	WO 02/62982	08/15/02	PCT			✓ (Abstract only)	
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<input checked="" type="checkbox"/>	WO 02/62985	08/15/02	PCT			✓ (Abstract only)	
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<input checked="" type="checkbox"/>	Van Rensburg, P. et al., "Engineering yeast for efficient cellulose degradation", <u>Yeast</u> , 14(1): 67-76 (1998).
<input checked="" type="checkbox"/>	Ventura, C. et al., "Elf-pulsed Magnetic Fields Modulate Opioid Peptide Gene Expression in Myocardial Cells", <u>Cardiovascular Research</u> , 45, pp. 1054-1064 (2000).
<input type="checkbox"/>	Woodward, A.M. et al., "Genetic Programming as an Analytical Tool for Non-linear Dielectric Spectroscopy", <u>Bioelectrochemistry and Bioenergetics</u> , 48, pp. 389-396 (1999).

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		FILING DATE November 18, 2003	GROUP 1651



<input checked="" type="checkbox"/>	Yonetani, T. et al., "Electromagnetic Properties of Hemoproteins", <u>The Journal of Biological Chemistry</u> , 247, pp. 2447-2455 (1972).
<input checked="" type="checkbox"/>	Zhang, L. et al., "Electrostimulation of the Dehydrogenase System of Yeast by Alternating Currents", <u>Bioelectrochemistry and Bioenergetics</u> , 28, pp. 341-353 (1992).
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